State Agency GIS Symposium 2025 Agenda

Meeting Date: **Tuesday, September 16, 2025**
Meeting Place: Hill Farms State Office Building
Rooms S152/156
4822 Madison Yards Way
Madison, WI 53705
Meeting Time: 9:00 a.m. to 4:30 p.m.

MORNING

9:00-9:15 a.m.	**Opening Remarks / Meeting Logistics / What is SAGIC?**	Alex Krebs (WEM)
9:15-9:45 a.m.	**Empowering Legislators with Simplified Geospatial Querying** The Legislative Technology Services Bureau (LTSB) will showcase internal applications developed for state legislators to interactively explore spatial data within their own legislative districts and integrate it into their constituent management systems. Learn how the LTSB's latest applications make it easier for legislative offices to create complex queries across many geographic datasets to visualize and extract information from state agency, private vendor, and their own constituent records databases.	Alex Mezera (LTSB)
9:45-10:00 a.m.	**You Can Count On Me - Using S123 for Collecting Bike Parking Observations on UW-Madison Campus** UW-Madison Transportation Services provides the UW-Madison campus community with over 16,000 free bicycle parking stalls in more than 300 locations across campus. Yet even though there are more on-campus parking spaces for bicycles than motor vehicles, there were no processes in place to collect information on bike parking occupancy—how and when the spaces are used—and with what kind of vehicle. Without a data collection process, not much was understood about how the campus community uses these 16,000 spaces. This presentation will discuss how Transportation Services GIS is working with Commuter Solutions, a work unit in Transportation Services, to leverage Geographic Information Systems (GIS), Survey 123, and Global Positioning Systems (GPS) technologies to correct this information deficit and collect new data on the number and type of vehicles occupying bike parking spaces on campus. The data will be used to improve the management of campus bicycle parking facilities.	David Winston (UW-Transportation Services)
10:00-10:30 a.m.	**BCPL Forest Management Information System within the ArcGIS Pro and ArcGIS Online Environments** Our presentation will focus on the use of GIS in support of Forest Management workflows. Primarily on delivering all land management data to remote workers and gaining their input via the synchronization of field captured data to ArcPro office environment. We utilize ArcPro, ArcGIS Online, and the ArcGIS Field Maps app on our work cell phones. We have a very small staff and this technology allows us to efficiently manage/update a large volume of field data and inspection reports. This technology also supports our third-party land management certification program. Further additions have been the recent inclusion of automated tasks and templates within ArcGIS to streamline our timber sale mapping and transfer of data to our internal accounting system.	Kevin Burns Chuck Failing (BCPL)
10:30-10:50 a.m.	**Break**	
10:50-11:20 a.m.	**DNR's Tableau Journey** The DNR GIS Section adopted Tableau as a service offering in the fall of 2024 after evaluating a range of data visualization technologies. Lessons learned from adopting Tableau will be shared along with how Tableau fits with GIS technologies.	Larry Cutforth (DNR)
11:20-11:35 a.m.	**A Fish(ing) Finder for All: the Wisconsin Fishing Finder in Experience Builder** The Wisconsin Fishing Finder was developed to help anglers in Wisconsin find places to fish, including boat and shore access, fish stocking and regulations information. This tool replaces the old Trout Regulations Opportunities and User Tool (T.R.O.U.T.), which was centered only around trout fishing. With the general fishing public as the intended audience, and the increasing use of mobile devices to access fishing information, ArcGIS Experience Builder was chosen for the rebuild/enhancement of the previous web application. New data layers were developed for the Wisconsin Fishing Finder to enhance the fishing experience of Wisconsin anglers and make fishing data more accessible to the public.	Mallory Johnson (DNR)

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11:35 a.m. - 12:05 p.m.	**WEM Statewide Damage Assessment Tools for Local Governments** Collecting damage assessment data is a critical part of the recovery phase following a disaster. Understanding both the location and severity of damages supports emergency responders, emergency management staff, and local communities to make informed decisions that expedite the restoration of services and help return communities to normal. This presentation will provide an overview of how local emergency managers in Wisconsin utilize the Wisconsin Emergency Management Damage Assessment Survey using Survey123 to quickly and efficiently report damages to public and private property. We will explore how this data is edited and reported to support reimbursement for disaster-related expenses incurred by local governments. Additionally, we will discuss how the collected information can be used to identify mitigation projects designed to reduce the impact of future disasters.	Alex Krebs (WEM)
12:05-1:30 p.m.	**LUNCH on your own** (Posters/Maps)	

AFTERNOON

1:30-2:15 p.m.	**Panel Discussion: Advancing your GIS Career in State Government** Navigating a professional career in GIS is not always as straightforward as it may be in some other fields. GIS professionals come from a variety of academic backgrounds and have followed different paths to reach GIS related careers. The purpose of this career panel is to provide an opportunity for several GIS professionals working in state government—each at different stages in their careers—to share their personal experiences, challenges, and insights. This discussion will offer attendees an opportunity to ask questions, seek advice, and open a dialogue between the different stages of GIS professionals to help bridge gaps and foster community.	Alex Krebs (Moderator) Panel: Andy Swartz (DHS) Colter Sikora (PSC) Nina Rihn (DNR) Tony Van Der Wielen (DOT)
2:15-2:30 p.m.	**Asbuilt Record Management System External GIS Interface** The WISDOT Bureau of Information Technology Services (BITS) project team created a centralized cloud location for all documents related to ARMS (Asbuilt Record Management System). Provided a publicly accessible method for viewing the ARMS Asbuilt, right of way plat, and soil documents provided as layers in ArcGIS Online. This effort greatly reduced open record request response time and staff time by allowing OKTA authenticated users to get the desired records on their own without a formal request.	Chris Larson and Dulce Huerta (WISDOT)
2:30-2:45 p.m.	**Production of the Statewide Quaternary Geology Map** The Wisconsin Geological and Natural History Survey has recently published a new statewide map of the surface deposits of the state, including windblown sand, glacial till, river deposits, and other materials. This talk will touch on the “what,” “why,” and “how” of this map. As the main GIS Specialist / Cartographer for this project, I will discuss the process of data management, map design, and how other state agencies can make use of this new dataset.	Caroline Rose (WGNHS)
2:45-3:05 p.m.	**Break**	
3:05-3:20 p.m.	**Overview of Map Accessibility Requirements and Compliance Challenges** Maximizing map accessibility for the visually impaired is a challenge for cartographers and web map application developers. Statutory requirements have an April 2026 compliance deadline. Wisconsin Department of Health Services has launched an agency-wide project to move all web content (maps and otherwise) into compliance. This talk will cover the basics of web map accessibility requirements and accessibility standards, and also ways to achieve compliance both within and via companion data for map applications. State of Minnesota and ESRI efforts in this arena will also be touched on..	Andy Swartz (DHS)
3:20-3:35 p.m.	**Improve the Accessibility of Your Web Maps** Making web maps and web mapping applications can be hard but making them accessible for all users doesn’t have to be. In this talk I will give actionable tips for making your web maps and web mapping applications more accessible. I will give concrete examples from the Esri ecosystem that you can easily integrate into your workflow or apply to your existing applications to ensure universal access.	Hayden Elza (SCO)

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3:35-3:50 p.m.	**Mapping Social Determinants Of Health (SDOH) in the City of Milwaukee to Guide Decisions on Where to Focus Funding, Prevention and Care Outcomes, and Policy Changes** Based on data from the Wisconsin Department of Health Services, there were 2,534 people living with HIV (PLWH) in the city of Milwaukee at the end of 2020. Stark disparities in HIV care outcomes remain in various communities. Understanding and addressing social determinants of health (SDOH) may improve health outcomes for PLWH. This project aims to determine the association between SDOH and the 2020 HIV care outcomes of PLWH in the city of Milwaukee by using GIS mapping; using GIS mapping may be beneficial in guiding prevention and care outcomes for the City of Milwaukee. Current residence at the end of 2020 among PLWH in Milwaukee was geocoded to the census-tract level. Residence was matched with the following themes: Socioeconomic Status, Household Composition and Disability, Minority Status and Language, Housing and Transportation, level of education, unemployment, presence of health insurance coverage, median income, housing status, and race/ethnicity. Groups were compared with the following 2020 HIV care outcomes: in care, retained in care, and viral load suppression. Various SDOH variables have a moderate to high impact on care outcomes for PLWH in Milwaukee. Lower HIV care outcomes may be due to each individual focusing on the basic needs for survival, rather than medical care. Mapping SDOH can be used to guide decisions on where to focus funding, prevention and care outcomes, and policy changes.	Vipul Shukla (DHS)
3:50-4:20 p.m.	**When Your Shipwreck Storymap is Shipwrecked** What happens when all the personnel who handled your online storymap have moved on? Through a generous grant from Wisconsin Sea Grant Institute, I've been creating ArcGIS Storymaps detailing shipwrecks through different regions of Wisconsin. My project was started because years previously another maritime archaeologist in the Wisconsin Historical Society's Maritime Preservation Program had created a story map that covers the now Wisconsin Shipwreck Coast National Marine Sanctuary. This map was, old, lacking and because of the movement of personnel, stuck in purgatory. Dive in with me as I recreate the former map from scratch and build new maps to go with it.	Jordan Ciesielczyk (WHS)
4:20-4:25 p.m.	**Post-Symposium Survey and Wrap-up**	Alex Krebs (WEM)
4:45 p.m. start	**Social at Café Hollander**	

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Parking & WiFi

Parking is available at the Hill Farms Parking Garage for $2.00/hour
Public WiFi is available in the building

State Agency Abbreviations	
BCPL	Board of Commissioners of Public Lands
DOA	Dept of Administration
DATCP	Dept of Agriculture, Trade and Consumer Protection
DCF	Dept of Children and Families
DHS	Dept of Health Services
DMA	Dept of Military Affairs (OEC)
DMA-WEM	Dept of Military Affairs (WEM)
DNR	Dept of Natural Resources
DPI	Dept of Public Instruction
DOR	Dept of Revenue
DWD	Dept of Workforce Development
LTSB	Legislative Technology Services Bureau
PSC	Public Service Commission
SCO	State Cartographers Office
UWSA	Universities of Wisconsin
WDT-OOR	WI Tourism - Office of Outdoor Recreation
WEC	WI Elections Commission
WGNHS	WI Geological and Natural History Survey
WHS	WI Historical Society
WisDOT	WI Dept of Transportation
WTCS	Wisconsin Technical College System